

Liverpool John Moores University

Title: Fundamentals of Paramedic Sciences
Status: Definitive
Code: **4001PARA** (121401)
Version Start Date: 01-08-2021

Owning School/Faculty: Nursing and Allied Health
Teaching School/Faculty: Nursing and Allied Health

Team	Leader
Ron Harris	Y

Academic Level: FHEQ4
Credit Value: 20
Total Delivered Hours: 52
Total Learning Hours: 200
Private Study: 148

Delivery Options

Course typically offered: S1 & S2 & Summer

Component	Contact Hours
Lecture	40
Online	8
Tutorial	1

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	3 hour Examination in three stages. Anatomy, physiology and pathophysiology.	100	3

Aims

To understand human anatomy, physiology and pathophysiology.

Learning Outcomes

After completing the module the student should be able to:

- 1 Define the role and function of major body systems.
- 2 Describe the relationship between anatomical structure and function.
- 3 Explain the factors that influence homeostasis.
- 4 Define elements of growth and development in the human life cycle.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Written exam	1	2	3	4
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Outline Syllabus

Physical and life sciences including:

Introduction to cells, tissues and organs.

Human growth and development.

Body systems including: cardiovascular, respiratory, nervous, musculoskeletal, digestive, urinary, endocrine and reproductive.

Genetics.

Role of nutrition in health and illness.

Immunology.

Homeostatic imbalance.

Feedback systems.

Fluid balance.

Haemodynamics.

Learning Activities

Lectures, group discussions, group work, e learning.

Notes

This module explores human anatomy and physiology by considering growth and development within the context of the human life cycle. It will enhance the students' understanding of human biological systems; as such it will consider basic and common dysfunctions in the human physiology and pathophysiology.